
FOLIO

General Faculties Council

Three substantive items were on the agenda of the February meeting of GFC. The first dealt with the establishment of a quota in the Computer Design Stream Specialization in the Faculty of Science. C.E. Capjack, Associate Dean of Engineering, explained to Council that, given the recent intense interest in computer literacy, there exists the potential for an excessive number of students in the Computer Design Stream; this, in turn, could have serious implications for the resources of the Department of Electrical Engineering since the CDS has a component of eight Electrical Engineering courses including options. Dr. Capjack and Lee White, Chairman of Computing Science, were of the opinion that since Engineering is a quota faculty, and since the Electrical Engineering courses in question were also required by many students in that faculty, a mechanism was needed to control the number of Computing Science students taking the courses.

The enrolment/funding crisis reared its head in the ensuing discussion during which concern was raised as to priorities being set within the Faculties of Science and Engineering. Is yet another quota "part of a much larger issue facing the University?" Indeed it is, replied President Horowitz. "What we are facing here is what we are facing over and over," he stated, referring to the serious problem of ever increasing enrolment and decreasing or, at best, stable funding.

After considerable discussion,

GFC passed a motion (by a vote of 58 to 15) that "a quota of 10 students be established for entry to the second year of the Computer Design Stream in the Department of Computing Science."

Attention then turned to a proposal for a School of Native Studies. In introducing the discussion, Vice-President Baldwin expressed the feeling that the proposal had been "a long, long time in the shaping...an inexcusably long time, in fact." Tom Pocklington, Chairman of the GFC Committee on Native Studies, and Carl Urion, Native Affairs Advisor, spoke to the proposal indicating their gratitude for the support given the long-standing committee in its task.

The proposed School was likened to the Institute for the Study of Learning Disabilities, which received GFC approval in March 1982. Interdisciplinary in nature, the School would "cut across the University community in a variety of ways." But, like the Institute, the Native Studies program is dependent upon "full and special funding" from the provincial government. It was explained to Council that should the necessary funds be allocated, it would be for an initial five-year period, at the end of which time the money would be added to the regular University operating grant. "We are not interested in a proposal that does not include that special adjustment to our funding arrangements at the end of the five-year period," said President Horowitz.

When the question was called, GFC voted in favor of the proposal of the GFC Native Studies Committee for the "establishment of a School of Native Studies and a BA degree program in Native Studies, subject to government funding." Further, Council lent its support to that of PPC in endorsing "a proposal for expansion of services oriented to Native students."

The final action item on the brief agenda was consideration of a recommendation from the Campus Law Review Committee that "the Code of Student Behavior, Part II, Offences, be amended to include the following additional offence as item (4): Knowingly obstructing Univer-

sity activities by action, threat, or otherwise. University activities include but are not limited to teaching, research, studying, administration, public service. Nothing in this paragraph of the Code shall be construed to prohibit peaceful assemblies and demonstrations, lawful picketing, or to inhibit free speech."

A question arose as to the penalties to be imposed in the case of a breach of the newly-added offence. David Norwood, Assistant Vice-President (Finance and Administration) and Chairman, CLRC, explained that this offence would be subject to the same penalties applicable to Part II in total. The recommendation was passed by Council. □

Uta Frith: Distinguished Visiting Speaker

Uta Frith, Senior Research Scientist from the MRC Cognitive Development Unit in London, England, will be on campus for two weeks beginning 14 March as a Distinguished Visiting Speaker.

Dr. Frith is an established psychologist whose research on dyslexia, particularly on cognitive processes in spelling and reading, has gained wide recognition. The existence of specific reading and spelling difficulties in children of otherwise normal intelligence has long been a puzzle. It seems that particular reading strategies used by children of average reading ability may not be available to dyslexic children. Dr. Frith distinguishes strategies that relate

to input-orthography which are relevant to reading and those that relate to output-orthography which are relevant to spelling. Reading and spelling can then be seen to be impaired independently of each other. Dr. Frith has distinguished these independent abilities in dyslexic children and individuals who are good readers but poor spellers.

Based on these and related studies, Dr. Frith has developed a theory of developmental dyslexia and dysgraphia that incorporates both an information processing and a developmental framework. She specifies three stages, corresponding to the acquisition of logographic (symbol)

alphabetic, and orthographic (spelling) abilities. It is assumed that a new strategy is learned at each stage and is integrated with existing strategies. According to Dr. Frith, reading and writing act as pacemakers for these new strategies. If some breakdown occurs at a critical point in this step-wise progression, reading and/or spelling difficulties may develop. Given appropriate assessment procedures, the particular type of difficulty can be closely related to the point of breakdown and the concomitant failure to acquire a particular strategy. Dr. Frith has used this framework to develop assessment materials and establish new definitions of sub-types of developmental dyslexia and dysgraphia.

Other areas of concern for Dr. Frith are cognitive and social dysfunctions in autistic children and motor skill deficits in Down's Syndrome children. In all her research interests, Dr. Frith attempts to understand the component processes underlying normal and sub-normal performance in order to develop means for pinpointing difficulties and suggest strategies for remediation.

Dr. Frith will deliver the following public lectures: "Dyslexia and Spelling Problems" (19 March, 7 p.m., 254 Education South) and "Autism and Apha-

sia" (Department of Psychiatry Grand Rounds), (26 March, 10:45 a.m., 2-115 Clinical Sciences Building).

There will also be a series of seminars for interested students and staff. The schedule is as follows: 20 March, 2 p.m., CAPE, 13359-62 Street (Belvedere Elementary School), "Language Processing in Autistic and Aphasic Children;" 22 March, 12:30 p.m., E-436 Physical Education Complex, "Language and Motor Development in Down's Syndrome Children;" 22 March, 12:30 p.m., P-210 Biological Sciences Building, "Cognitive Process in Spelling."

Drs. Frith, J.P. Das, Director of the Centre for the Study of Mental Retardation, and Fern Snart, Department of Educational Psychology, will present a day-long workshop for which advance registration is required. The workshop will take place Saturday, 24 March, at 9 a.m. in 2-115 Education North. The theme is "Reading and Spelling Difficulties and their Remediation."

For additional information, call Heidi Julien, 432-4439 or 432-4505. □

Hotel Rates

A listing of the room rates available at MacKenzie Hall and Garneau Guest Housing and local hotels for visitors to the University appears on page 8. Hotel rates in other cities across Canada are also shown.

Derek Cox, Supervisor of the Travel Division, Office of the Comptroller, points out that "quite substantial additional discounts can usually be obtained if it is necessary to stay over the Friday, Saturday and Sunday nights." The rates for these days should be obtained at the time of registering, he advises.

The rates published are not necessarily the most economical available; the information is provided to let the traveler know what he will have to pay if it is necessary for these particular hotels to be used. In the not too distant future the Travel Division hopes to be able to add others to the list. □

Debate Championships Go This Weekend

A number of teams, including three from this University, will compete in the Western Canadian University Debate Championships 9 to 11 March.

Kevin Feth and Jason Lucien; Paula Simons and Doreen Sanderson; and Robert Greenhill and Barb Donaldson will represent the University of Alberta Debate Society in its bid to wrest the title from defending champion UBC.

The championships will take place on the second floor of Education North. Directions will be posted. The major competition is scheduled for 10 a.m. to 4 p.m.

10 March, and 1 p.m. onward 11 March. The final round will get underway at 4 p.m. Sunday.

Four topics will be debated during the opening rounds on 10 March. The resolutions will not be announced until 15 minutes beforehand. The resolution for the final two rounds 11 March is "that today's youth are over-trained and undereducated."

The judging will be handled by University of Alberta faculty; the McGoun Cup will be awarded to the top team.

Everyone is welcome to attend. □

E.R. Forbes: Canadian Studies Visitor

E.R. Forbes, Professor of History at the University of New Brunswick, will visit our University's Department of Canadian Studies 12 to 16 March. His visit is part of a faculty exchange through which Susan Jackel of Canadian Studies visited New Brunswick last month.

Dr. Forbes, who won the Canadian Historical Association's regional history prize in 1980 for *The Maritime Rights Movement 1919-1927: A Study in Canadian Regionalism*, will be addressing classes in the Departments of

History and Sociology on various aspects of Maritimes history and transportation policy, and Canadian Studies seminars comparing western and eastern regionalism. In addition, he will lecture on "Five Women from Halifax: the Feminist Movement and the Great War" (12 March, 3 p.m., 226 Arts Building).

Faculty members and students who wish to talk to Dr. Forbes during his week on campus should contact the Department of Canadian Studies at 432-5086. □

FOLIO

Volume Twenty
Number Thirty

The Office of Community Relations

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The Office of Community Relations produces Folio on a regular basis for the staff and other interested persons. Folio contents may be reprinted with acknowledgment.

ISSN 0015-5764

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Friends of University Museums to Meet

With a view to developing a separate, sustaining society to support the various goals of the University Collections, the "Friends of the University of Alberta Museums" has been established.

Organizers of the group are holding an inaugural meeting at 4:30 p.m. today (8 March) in the Papaschase Room of the Faculty Club. The initial membership fee is \$10; as a charter member one will receive information on all collections activities and tours of

restricted collections will be arranged.

Interested individuals will have the opportunity to become involved with the collections on campus and there will also be volunteer work available in the areas of research, documentation, various departmental collections and tour-guiding. The activities of the "Friends" will ultimately aid in the raising of funds to support the collections on campus. □

Symposium on Management Studies to Focus on Productivity

Canada's productivity performance will be under scrutiny at a day-long symposium to be held 9 April at the Westin Hotel. "Confronting the Crisis," sponsored by the Graduate Management Projects Board, Faculty of Business, will bring together leaders of business, labor, government and the academic community in an effort to provide new and useful insights into various issues facing Canada's productivity growth potential.

Speakers will discuss productivity within their areas of expertise and related to the general questions of why there is a difference in productivity growth rates among countries, why there is a difference among industries, and what is behind Canada's productivity growth rate and variation over time.

Issues to be discussed are: Productivity and the Or-

ganization, Productivity and the Economy, Productivity and Managing Technology, Productivity and Public Policy, and Productivity and the Labor-Management Relationship. There will be two industry studies: Productivity in the Manufacturing Industry and Productivity in the Energy Industry. All papers presented will be published.

The Hon. E. Isley, Alberta Minister of Manpower, will give the opening address. Other speakers will include J. Lorsch, Professor, Harvard Business School and one of the world's prominent organizational behaviorists; Frank W. Proto, Senior Vice-President, Alberta Energy; Reg C. Basken, a leading spokesman for Canadian labor and a member of the University Senate; Frank H. Tyaack, President and Chief Executive Officer,

Westinghouse Canada; J.E. Czaja, President, Shell Canada Resources Ltd. The Hon. Donald Johnston, Minister of State for Economic Development and for Science and Technology, will give the keynote address.

Terry White, Dean of Arts, and C.B. Williams, Professor of Industrial and Legal Relations, will act as moderators.

Among sponsors for the event are Alberta Advanced Edu-

cation, Alberta Economic Development, the *Financial Post*, Northern Telecom Canada Ltd., Shell Canada Ltd., and the Westin Hotel, Edmonton.

Cost of the Symposium is \$175. Registration forms may be obtained by contacting the Graduate Management Projects Board, 432 Central Academic Building, University of Alberta, Edmonton, Alberta, T6G 2G1, telephone (403) 432-5289. □

'Universe and Man': a Lecture Series For All

A new lecture series entitled "Universe and Man" began 29 February and will continue, on a weekly basis, to 9 April. The series, sponsored by the Office of the Vice-President (Research) and the Undergraduate Science Society, is intended for a general audience. Topics will be discussed at a "fairly basic level" and visuals will come into play at each lecture. For example, one does not have to be a mathematician to absorb knowledge at J.W. Macki's 14 March lecture "The Unreasonable Effectiveness of Mathematics."

The series is also intended to increase awareness among faculty as to what their colleagues are doing.

J.R. Nursall, Zoology, opened the series with "Coral Reefs and Coral Seas." On 7 March, G. Moss, Physics, spoke on "The Strange Universe of Elementary Particles: a rapid journey from

earth, fire, water and air to quarks, leptons and intermediate vector bosons."

Other lectures in the series are as follows: 14 March, J.W. Macki, "The Unreasonable Effectiveness of Mathematics;" 21 March, J.A. Plambeck, "Alchemy: Principles and Practice, with Demonstrations;" 28 March, K.D. Hage, "Acid Rain;" 4 April, H. Baltes, "Microelectronics;" 9 April, D.B. MacIntyre, "Computation: The Nile Valley to the Silicon Valley."

All lectures start at noon and conclude at 1 p.m. The location is 239 Central Academic Building.

As things worked out, science is "Mr. Big" in the inaugural series. The sponsors are hopeful that the series will be held in the fall and that individuals from Faculties such as Arts and Medicine will be heard from. □

Occupational Health and Safety Has First Aid Training Course in Works

First aid and CPR courses will be conducted by the Department of Occupational Health and Safety if enough interest is shown.

The standard first aid course is 21 hours; the costs are \$25 for registration and \$10 for administrative fees. The basic CPR course is six hours at a cost of \$5 for registration and a \$10 administrative fee. Spouses are welcome and a husband and wife

team will have the administrative cost reduced by \$10 for either course.

Due to the length of the first aid course, it will be given in three, seven-hour sessions and will likely be conducted on weekends. The CPR course will be given in one evening session.

For further information, contact Pat Barabash, 107 Education Car Park, telephone 432-5614. □

Excellent Finish for Computing Students

Following more than six hours of intense problem-solving, a team of University of Alberta programming students place third among 22 university entries at the International Scholastic Programming Contest. The event was held at the annual Association for Computing Machinery (ACM) Computer Science Conference, which took place in Philadelphia 15 February.

Participating teams (four students per team) were given the same set of seven problems requiring computer programs to be written for their solutions. Winners were determined by the number of problems solved; ties were broken on the basis of

speed and accuracy of contestants. The team from Johns Hopkins University placed first; second place went to the team representing Virginia Polytechnic Institute and State University.

The University team qualified to compete in the international contest by winning the regional contest in New Mexico last November. The team, whose composition was determined by a local contest held in October, consists of Brian Bray, Stuart Lomas, Don Reble and Dan Wilson, all computing science students. The team's coach and adviser is Danile Boulet, a lecturer in the Department of Computing Science. □

Hello, Kitty

Support from FSIDA (Fund for Support of International Development Activities), which was established in 1982 through allocations from the University of Alberta Endowment Fund for the Future, is available on a University-wide basis. Proposals may be submitted by individual staff members, departments, or Faculties, but requests by individuals must be endorsed by the respective Department Chairman and Faculty Dean.

Grants may be made in support of:

(1) an individual or University body in aid of travel, communications, and other reasonable costs associated with the preparation of a formal project proposal for submission to a funding agency or for a small project; or

(2) a department or Faculty to cover minimal replacement costs up to a maximum of four months for a faculty member participating in an international development project *off campus*. In most cases these will be for teaching costs, but for staff whose primary responsibilities are of a counselling or administrative nature, replacement costs will also be considered.

The Advisory Committee for the Fund, which advises the Vice-President (Academic) on the acceptance of projects, will give priority to:

(1) proposals which emphasize teaching and development projects rather than research;
(2) requests under \$2,500;
(3) requests which cannot, in practice, be funded through

other sources;

(4) short-term replacement costs of staff (if replacement is required for an entire term, the agency requesting the services of a faculty member will be expected to cover replacement costs).

The committee will make specific projects rather than lump sum grants to University units.

The committee normally meets three times annually, following the application deadlines of 15 January, 15 April, and 15 September. Unless unique circumstances warrant special consideration, these deadlines are strictly enforced.

All recipients of funding must

submit brief progress reports at the conclusion of their projects, as well as by the end of the fiscal year if a project extends beyond 31 March.

Requests for application forms and completed proposals should be directed to the Committee Secretary, Eva M. Cherniavsky, 3-31 University Hall, telephone 432-4588. Applications must be typed; hand-written requests will not be considered by the committee. Enquiries may be directed to the Chairman of the Advisory Committee, L.A. Kosinski, Department of Geography, telephone 432-4498, or to the Committee Secretary. □

Gary Kelly Presenting Broadus Lectures

Gary Kelly, Associate Professor of English, is presenting the 1984 Edmund Kemper Broadus Lectures sponsored by the Department of English.

The series is entitled "Fiction and Social Revolution in Britain, 1770-1830." The first lecture was held 7 March and subsequent lectures are to be held Friday, 9 March, "Books in the Hands of Readers" (illustrated); Tuesday, 13 March, "Social

Criticism, Self and Society;" and Friday, 16 March, "Toward a Resolution: the Novel and the Founding of Modern Social Mythology." All lectures will be delivered in L-3 Humanities Centre.

In conjunction with the series, a display of books can be viewed in the Salter Reading Room, third floor Humanities Centre, until 16 March. □

CIDA Education Consultant Here Next Week

Archie MacKinnon, CIDA Education Consultant, will visit the University 15 March. The purpose of his visit is to discuss the possibilities of a multi-faceted project involving the University and various counterpart institutions in Bangladesh in various development initiatives.

Dr. MacKinnon is particularly interested in exploring possibilities related to agricultural

programs; renewable energy; the petroleum industry; education administration (from school principal level to senior government administration); and the training of women for management roles.

Those interested in arranging a meeting with Dr. MacKinnon are asked to notify W.A.D. Burns, 432-5660, with their time preferences. A schedule will be set in advance of the date. □

people

Fraser Birss (Chemistry) is the recipient of the Union Carbide Award for Chemical Education. The award recognizes an individual who has made outstanding contributions to chemical education. Professor Birss, who has been teaching chemistry, including the most complex theories of quantum mechanics, at our University for 25 years, will be honored early in June in Montreal.

James DeFelice (Drama) was invited to the University of Wisconsin (Stout) to deliver two lectures on "Film and the Novel." Professor DeFelice's lectures examined the theory of adapting the novel to film and specifically analysed his adaptation of the novel *Why Shoot the Teacher*. The film was screened before each lecture.

L.C. Green (University Professor) was a participant in the Ottawa Colloquium on Human Rights and Peace, 10 and 11 February.

Walter Jule (Art and Design) and Carl Heywood, Queen's University, have been invited to represent Canada in the prestigious 5th Biennale de Gravure de Bonsecours in Belgium. Forty-seven artists from 16 countries will exhibit up to 10 works each in the exhibition which will take place in August and September 1984.

service information

All information to be included in this column must reach the Office of Community Relations by 9 a.m. the Thursday prior to publication.

Coming Events

Lectures and Seminars

Limnology and Fisheries Discussion Group

8 March, noon. Ellie Prepas, "The Narrow Lake Project: Part II—Production of Fish

Food." G-217 Biological Sciences Building.
 15 March, noon. Ron Davies, University of Calgary, "Stoneflies as a Predator in Stream Communities." G-217 Biological Sciences Building.

Department of Forestry

8 March, 3:30 p.m. Pauline Martin, "Influence of Elevated CO₂ Concentrations on the Carbon Allocation and Nitrogen Fixation of *Sherpherdia canadensis*." 344 Chemical/Mineral Engineering Building.
 8 March, 4 p.m. Dale Stelter, "Application of *Jabowa*, a Northeastern United States Forest Growth Simulator, to the Alberta Boreal Forest." 344 Chemical/Mineral Engineering Building.

Department of Entomology

8 March, 4 p.m. Andre Steiner, "Spatiotemporal Organization of Hunting in some Digger Wasps." 245 Earth Sciences Building.

Department of Romance Languages

9 March, 4 p.m. Steven Dworkin, University of Michigan, "Entymology and derivational morphology: Genesis of old Spanish adjectives in -ido." 234A Arts Building.
 15 March, 4 p.m. M.M. Verdicchio, "Who's Afraid of Literary Theory?" 5-20 Humanities Centre.

Women's Program—Extension

9 March, 7:30 p.m. Vicki Davidson, Public Health Nurse, "How Does P.M.S. Affect Your Life? (Pre-Menstrual Syndrome)." 332 Corbett Hall
 16 March, 7:30 p.m. Alliance Against Sexual Harassment, "Sexual Harassment: An Exploration and Discussion of the Issue." 332 Corbett Hall.

Faculty of Medicine

9 March, 4 p.m. Just Elbrink, "Glucose Metabolism in Dystrophic Hamsters." 9-68 Medical Sciences Building.

Centre for Gerontology

15 March, 12:30 p.m. S. Sharir, "Mandatory Retirement: Economic Issues." 8-14 General Services Building.

Department of Comparative Literature

14 March, 4 p.m. P. Clements, Department of English, (Faculty of Arts General Interest Lecture Series), "Adrienne Rich and the Dream of a Feminist Lyric." 5-20 Humanities Centre.

Department of Zoology

9 March, 3 p.m. H. Hettonen, Institute for Arctic Biology, University of Alaska, "Microtine cycles and interspecific competition among microtines in northern Fennoscandia." CW-410 Biological Sciences Building.

Department of Sociology

14 March, noon. M. Gillespie, "The Importance of Death for Modern Sociological Theory." 5-15 Tory Building.

Departments of East Asian Languages and Literatures, History, Anthropology, and the East Asian Studies Committee

8 March, 3:30 p.m. Jan Walls, Director, Institute of Pacific and Oriental Affairs, University of Victoria, "Black Cats, White Cats: Culture in China Today." L-2 Humanities Centre.

Club IDC

9 March, 3 p.m. Seminar on development, "Multinationals." Will include the film "Controlling Interest." 2-115 Education North.

Lutheran Campus Ministry

9 March, 6:30 p.m. Rev. Paul Wee, General Secretary of Lutheran World Ministries, "The Fate and Faith of Iron Curtain Students." Reservations are required—432-4513. Lister Hall Banquet Room.
 10 March, 10 a.m. Rev. Wee, "The Church's Global Mission Agenda." Luther Place, 9009-163 Street.
 11 March, 1:30 p.m. Rev. Wee, "To Love and Trust our Enemies: The Church Views the East European and Soviet Peace Movements." Calvary Lutheran Church, 10815-76 Avenue.
 11 March, 7:30 p.m. Rev. Wee, and Ian Ferguson, Canada's Department of External Affairs, "Namibia: The Gathering Crisis." Trinity Lutheran Church, 10014-81 Avenue.

Department of Chemistry

12 March, 4 p.m. J.C. Polanyi, "Science, Technology and Society. How Discoveries Are Made—And Why It Matters." B-1 Tory Lecture Theatre.
 13 March, noon. J.C. Polanyi, "Can We Avoid an Arms Race in Space?" SUB Theatre.
 13 March, 4 p.m. J.C. Polanyi, "Toward a Spectroscopy of Transition States." E1-60 Chemistry Building.

Faculty of Education

13 March, 3:30 p.m. Erwin Miklos, McCalla Research Professor, 1982-83, "Critical Issues in the Study of Education: The Case of Educational Administration." 129 Education South.

Canadian Institute of Ukrainian Studies

13 March, 8 p.m. Peter J. Potichnyj, "Jews and Ukrainians: The Legacy and the Hope." 2-115 Education North.

Department of Plant Science

12 March, 1 p.m. Ken Conn, "Hypersensitivity—Suicide Kamikaze Style." 1-06 Agriculture-Forestry Centre.
 14 March, 1 p.m. Ann Smreciu, "Aspects of Winter Hardiness in Woody Plants." 1-06 Agriculture-Forestry Centre.

Department of Religious Studies

14 March, 4 p.m. Mohammed Shoush, "Ancestor Worship in Pre-Islamic Arabia." L-2 Humanities Centre.
 16 March, 2:30 p.m. Richard Wolak, "The Philosopher-Pope (John-Paul II's The Acting Person)." Faculty Lounge, St. Joseph's College.

Area Studies Committee Africa/South Asia

16 March, noon. P.S. Sri, "Sanskrit Myth and Tamil Folklore in the Ancient Tamil Classic Thiru-Murgatrup-padai." 14-6 Tory Building.

Department of Botany

14 March, 4 p.m. Steve Downie, "The Systematics of *Arnica Louiseana* Farr." M-137 Biological Sciences Building.

Department of Secondary Education

13 March, 3:30 p.m. and 7:30 p.m. John Davy, Director of Emerson College, U.K., "Human Values and the Uses of Computers in Education." 116 Education South. For further information, contact Elli Fries, 338 Education South.

Department of Canadian Studies

12 March, 3 p.m. E.R. Forbes, Department of History, University of New Brunswick, "Five Women from Halifax: the Feminist Movement and the Great War." Senate

Chamber (226), Arts Building.

Alberta Heritage Foundation for Medical Research

12 March, 4 p.m. William P. Jencks, Professor of Biochemistry, Brandeis University, "How Does ATP Make Muscle Work? Some Properties of the Calcium ATPase." 2-27 Medical Sciences Building.
 13 March, noon. Alphonse R. Burdi, Professor of Anatomy and Cell Biology, University of Michigan, "Cleft Palate Morphogenesis." 4069 Dentistry/Pharmacy Building.
 13 March, 12:30 p.m. Robert G. Bryant, Department of Chemistry, University of Minnesota, "Biophysical Application of Multinuclear Magnetic Resonance and Relaxation Spectroscopy." 2-27 Medical Sciences Building.
 13 March, 5 p.m. Rosemary Ellis, Case Western Reserve University, "The Essence of Nursing: Implications for Research and Practice." 2-115 Clinical Sciences Building.
 14 March, 12:15 p.m. Alphonse Burdi, University of Michigan, "Variable Patterns in Human Morphogenesis—Implications for a Better Understanding of Human Birth Defects." 2-117 Clinical Sciences Building.
 14 March, 4 p.m. Michael L. Sinnott, Reader in Bioorganic Chemistry, School of Bristol, Bristol, England, "The Catalytic Consequences of Experimental Evolution." 2-27 Medical Sciences Building.
 15 March, 3:30 p.m. Carolyn Harley, Department of Psychology, Memorial University, "Norepinephrine as a substratum for Attention." CW-410 Biological Sciences Building.

Selection Committee for Chairman, Department of Religious Studies

The GFC Nominating Committee is seeking nominations for one faculty member, not a member of the department concerned, to serve on the above Selection Committee. Would those who have suggestions for nominations or who are interested in serving on the Selection Committee for the Chairman of the Department of Religious Studies please contact **Mrs. Pamela Plaskitt, Secretary to the GFC Nominating Committee, 2-5 University Hall, 432-4715.**

Department of Geography

16 March, 3 p.m. Tom L. McKnight, University of California, Los Angeles, "Recent Developments in Sprinkler's Irrigation." 3-36 Tory Building.

Department of Sociology

13 March, 11 a.m. Anthony M. Simmons (final PhD oral exam), "The Academic Discourse of Migration: A Conceptual Study in Discourse Analysis." 5-15 Tory Building.

Department of Economics

14 March, 3 p.m. John Vanderkamp, University of Guelph, "University Enrolment in Canada 1951-81." L-4 Humanities Centre.

Universe and Man Lecture Series

14 March, noon J.W. Macki, "The Unreasonable Effectiveness of Mathematics." 239 Central Academic Building.

Music

Department of Music

All events take place in Convocation Hall, unless otherwise specified.

9 March, 8 p.m. Grant Maxwell, piano. MMus candidate, Applied Music (Keyboard).

12 March, noon. Debra Parker, soprano, and James Manson, piano—1983 Eckhardt-Gramatté Winner. 1-29 Fine Arts Building.

12 March, 2:30 p.m. French Horn Masterclass with Barry Tuckwell (a Cooperative Visiting Artist Series with Alberta College.)

14 March, 8 p.m. A senior student recital with Gisele Rouleau, piano.

15 March, 8 p.m. A Senior Student Recital with Chris Helman, saxophone.

Richard Eaton Singers

9 March, 8 p.m. A performance of Handel's "Coronation Anthems" and M. Duruflé's "Requiem." With organ and orchestra. Conductor, Leonard Ratzlaff. All Saints' Anglican Cathedral.

Edmonton Youth Orchestra

11 March, 3 p.m. First Orchestra-Concerto Concert. Soloists Joseph Lai and Janet Dea. Tickets: \$4 regular; seniors/students \$2.

Edmonton Chamber Music Society

14 March, 8 p.m. "The Bach Aria Group." Admission: students/seniors, \$10. Memberships (this is the final concert of the season), \$20. Available at the door. Guests of members, \$12. SUB Theatre.

Exhibitions

Ring House Gallery

Until 11 March. "A University Collects: Recent Acquisitions."

Until 20 March. "Two Newfoundland Artists: Don Wright and Heidi Oberheide."

15 March, 7:30 p.m. J.K. Butler, "Art/Science Tables." Ring House Gallery.

Department of Art and Design

Until 23 March. "Prints from Poland." Selection of Graphic Art works with written explanation. 2-40E Fine Arts Building

(Printmaking Resource Room). For access and information, contact Robin Peck, 432-3011.

Films

Department of Germanic Languages

14 March, 7:30 p.m. "Der Rosenkavalier." Arts 17.

Department of History

13 to 16 March, 3:30 to 5:30 p.m. Gwynne Dyer's "War" series. Chapters I and II will be shown 13 March; III and IV, 14 March; V and VI, 15 March; VII and the documentary "After the Big One: Nuclear War on the Prairies," 16 March. Tory Lecture 12.

Radio and Television

Radio

Programs broadcast on CKUA radio 580 AM and 94.9 FM.

10 March, 7 p.m. University Concert Hall—Music for Lent. Guest: Gerhard Krapf.

14 March, 7 p.m. Celebrations—Interview and reading with Leona Gom.

17 March, 7 p.m. University Concert Hall Vocal Recital. Guest: Leonard Ratzlaff.

Television

14 March, 8 p.m. "Images of Alberta." Hosted by Kanhaya Gupta. Guest: Robert Lunney.

Sports

Curling

25 March. Chemistry Department Curling Bonspiel, Derrick Curling Club. Fee: \$40/team. Registration deadline: 16 March (to Tyler Fitzgerald, W1-32 Chemistry).

Matters of Faith

Chaplains' Association

Mondays, 7:30 p.m. Evening Prayer in preparation for the Pilgrimage of Reconciliation and Hope by the Taizé Community. St. Joseph's College Chapel.

Catholic Campus Ministry

St. Joseph's College
Sunday Mass: Saturday, 4:30 p.m., Sunday, 9:30 and 11 a.m. and 4 and 8 p.m.
Weekday Mass: Monday, Wednesday, Friday, and Saturday at 12:10 and 4:30 p.m., and Tuesday and Thursday at 12:30 and 4:30 p.m. Also Monday to Friday at 7:30 a.m.

Lutheran Campus Ministry

Sundays, 10:30 a.m. Worship with Holy Communion in the Newman Centre of St. Joseph's College. The University community is welcome to attend.

7:30 p.m. Thursday evening worship at the Lutheran Student Centre, 11122-86 Avenue.

Wednesdays at noon. Bible Study, 158A Students' Union Building.

Non-Credit Courses

Computing Services

MTS (Michigan Terminal System)

MTS and Editor Fundamentals (Prerequisite)

AJ510 Operation and Visual Editing
MTS Overview (Prerequisite)

TEXTFORM

Introduction to Text Formatting (Prerequisite)

Advanced Text Formatting

SPIRES

Introduction to SPIRES (Prerequisite)
Advanced SPIRES

Graphics

Introduction to Plotting
Integrated Graphics Overview

Statistics

Data Preparation for Statistical Packages (Prerequisite) Introduction to SPSSx
SPSSx Conversion
Introduction to BMDP
Introduction to MIDAS
Introduction to MINITAB
Introduction to TROLL

Microcomputers

Introduction to the IBM PC
The above courses are offered regularly through the day with limited evening selections. Registration will be taken over the phone for all courses except evening courses. These may be made in person at 352 General Services Building, or by mail. Payment must accompany registration for all evening courses. Please make cheques payable to the University of Alberta.

Waiting List Courses

The following courses are only offered when a sufficient number of people express an interest.

Courier Operation and Visual Editing

Introduction to Programming

Introduction to Typesetting

Introduction to APL

Introduction to the Array Processor

Introduction to APAL

Introduction to Clustan

Introduction to TSP

Introduction to Osiris

For more information on any of the courses listed above, telephone the Training Assistant at 432-2511, between 8:30 and noon, weekdays.

Faculty of Extension

Real Estate Education

For further information on the courses listed below and others offered, telephone 432-5060.

Real Estate in Distress
Selling Your Own Home
Occupancy Cost and the Tenant
Practical Apartment Caretaking
Apartment Rental Techniques

Land Use Planning Studies

For further information on the courses listed below, telephone 432-2912.

An Introduction to Small Towns
Corrosion Control in Steam Systems
Computer-Assisted Design: The Management Decision
Public Open Space: Designing for the Disabled
Draughting Room Management

Business and Professional

For further information on the courses listed below, telephone 432-5066 or 432-5067.

Wills and Estate Planning
Effective Interviewing Techniques
Profits Through Participation: The Quality Circle Approach
Management for New Managers
Effective Manpower Planning

Applied Behavioral Sciences Division

For further information on the courses listed below, telephone 432-5069.

Assertion and Interpersonal Skills Training—Level I
Breathing for Health, Relaxation, and Vitality
Controlling Pain Through Naturalistic Hypnosis
Introduction to Transactional Analysis and Its Application to Life
Successful Restructuring for Singled Adults

Department of Electrical Engineering

CAD Group

For further information on the courses listed below, telephone Phil Haswell at 432-5966 or 432-5877.

Basic PC/ES (Printed Circuit/Electrical Schematic)—19 to 30 March
Advanced PC/ES—30 April to 4 May (tentative)

Notices

UNDO Meeting

The University Nuclear Disarmament Organization (UNDO) will hold a public meeting Tuesday, 13 March. Guest speaker will be John Polanyi, Professor of Chemistry, University of Toronto, and co-author of *The Danger of Nuclear War*. Dr. Polanyi will address the question "Can we avoid an arms race in space?" during his presentation which begins at noon in SUB Theatre. The lecture is free and the public is urged to attend.

COSS Requests Briefs

The Council on Student Services Subcommittee on Student Housing Policy requests briefs on the Lister Hall Residence with specific recommendations toward the improvement of management, administration, general policy, quality of lifestyle, and/or discipline in the complex.

Submissions should be made to: The COSS Sub-committee on Student Housing Policy, 234 Athabasca Hall. The deadline for submissions is 15 March 1984.

Bookstore Inventory

The University Bookstore will be closed 29, 30 and 31 March for its annual inventory. The store will reopen Monday, 2 April 1984.

Flammable Storage Cabinets

The Department of Occupational Health and Safety is trying to find a home for seven flammable storage cabinets. For further information, telephone M. Doerksen, 432-5614.

Resident Director

The Shastri Indo-Canadian Institute is currently seeking applications for the position of Resident Director (New Delhi, India) from well-established academics. The Institute is looking for a scholar who will be on study leave during 1985-86. The selection criteria to be used are scholarship, administrative and representational abilities, and experience in India. Scholars interested in the above position should reply in writing, including an updated CV and a research proposal, to the Executive Director, Shastri Indo-Canadian Institute, University of Calgary, Calgary, Alberta T2N 1N4.

Positions Vacant

The University of Alberta is an equal opportunity employer but, in accordance with Canadian Immigration requirements, these advertisements are directed to Canadian citizens and permanent residents.

Dean, Faculty of Library Science

An advisory committee has begun its search for a Dean. Suggestions of possible candidates and assessments of the leadership needs of the Faculty are invited. The appointment will take effect 1 July 1984 or as soon thereafter as a candidate selected by the search committee and approved by the Board of Governors is available. In view of the constraints now facing the University, the search will be internal to the Faculty of Library Science.

Nominations or applications for the position, accompanied in the latter case by a detailed résumé of qualifications and experience and the names of three referees, should be submitted by 10 April 1984 to: Dr. A.E. Zelmer, Associate Vice-President (Academic), University of Alberta, 3-4 University Hall, Edmonton, Alberta T6G 2J9.

Chairman, Canadian Studies Program

The Canadian Studies Committee in the Faculty of Arts seeks a new Chairman for the Committee and of the Canadian Studies Program, effective 1 July 1984. The term for this position is normally three years. Canadian Studies is an interdisciplinary degree program with some 30 students currently enrolled. Duties include calling and conducting full Committee meetings at intervals

throughout the year; preparing budgets; representing the Program in University councils and to the public; performing routine administration; being available to students; and directing the on-going development of the Program, especially in curriculum.

Suggestions of suitable candidates for this position, or self-nominations, may be sent by 15 May 1984 to the Chairman of the Search Committee, Dr. John Eagle, Department of History, 2-69 H.M. Tory Building, (telephone 432-3535), University of Alberta, Edmonton, Alberta T6G 2H4.

Non-Academic Positions

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 432-5201. As positions are filled on an on-going basis, these vacancies cannot be guaranteed beyond 1 March 1984. For a more up-to-date listing, please consult the weekly Employment Opportunities Bulletin and/or the postings in PSSR.

Clerk Steno II (\$1,161-\$1,390) Economics
Clerk Steno III (Trust) (\$1,294-\$1,561)
Centre for Frontier Engineering Research
*Secretary (\$1,442-\$1,766) Pharmacy
*Departmental/Executive Secretary (\$1,625-\$2,003) Dean of Dentistry
*Departmental/Executive Secretary (\$1,625-\$2,003) Graduate Studies and Research
Lab Assistant III (Trust, Part-Time) (\$647-\$781) Medicine
Technician I/Technologist I (Trust) (\$1,497-\$2,092) Immunology
*Vehicle Operator (\$1,497-\$1,842) Dispatch Distribution
Technician I (Trust) (\$1,497-\$1,842) Medicine
Biology Technologist I (Trust) (\$1,697-\$2,092) Zoology
Technician II/III (Trust) (\$1,697-\$2,378) Pediatrics
Technician II/Technologist II (Trust) (\$1,697-\$2,378) Immunology
Technician II/Technologist II (Trust) (\$1,697-\$2,378) Biochemistry
*Supervisor - Warehouse (\$1,766-\$2,182) Scheduled Distribution
Biology Technologist II (Trust) (\$1,920-\$2,378) Genetics
*Technologist II (\$1,920-\$2,378) Anthropology

In accordance with current Hiring Freeze policy, applications for these positions are restricted to current non-academic staff for a period of 10 working days.

Advertisements

Advertisements must reach the Editor by 3 p.m. on the Thursday prior to publication date which date also serves as the deadline for cancellation of advertisements. The cost of placing advertisements is 30 cents per word with no discount for subsequent insertions. There are no refunds. There is a maximum limit of 30 words and a minimum charge of \$1.50. Contributors' corrections will be assessed at \$1.50 for each line in which an insertion is made. Advertisements

cannot be accepted over the telephone. All advertisements must be paid for in full at the time of their submission.

Accommodations available

Sale - Grandview, University. Four-bedroom, 1,900 sq. ft. \$154,700. 437-7299.
Rent - Five-bedroom home. Millcreek, May-December 1984. \$700/month. 432-2740, 433-4687.
For sale - Attractive home with southern exposure on ravine lot. Large living room and separate dining room, master suite, security system, close to downtown. \$269,000. Eleanor Duncan, 434-7368. Langley.
Rent - (London, England). Large, two-bedroom apartment, fully furnished. \$900/month or exchange for accommodation near University. Available 1 April. 482-4310.
Rent - Completely furnished, family house, University area. 1 July-15 August. Two bedrooms, study, laundry facilities. Near major mall and bus route. 436-3535.
Rent - Furnished, one-bedroom, basement suite. Microwave, freezer, washer, dryer, garage. 111 Street-70 Avenue. \$350/month. 434-7328.
For rent - Furnished/unfurnished house near University. Ideal for 3-4 adults. Rent negotiable. 1 April possession. 436-0181.
For sale - Five-year-old, contemporary, two-storey. One block off campus. Three bedrooms, three baths, attached garage. Superbly finished throughout. Call Robert Kully, A.E. LePage, 437-7480, 437-5364.
Sale - Hycourt, 11016 86 Ave. New town-homes in Garneau, walking distance to University. Two and three bedrooms. Unique European design. Excellent financing available. Leah Vorobec, Gentry Real Estate, 482-7161, 432-1915, 488-8080.
For sale - House by owner in Mill Creek. Charming, 1,180 sq. ft. One bedroom and den. 9665 87 Ave. \$95,000. Good mortgage. Call 433-7234.
Sale - Windsor Park special. Three-bedroom home. Bright and cozy. Large, landscaped lot. Front drive. Call Chris Tenove or Florence Thompson, 436-6833, 436-5250. Spencer's.
Sale - Three-bedroom, hillside bungalow. 1.2 acres, river view. Private yard, balcony, dining/living room, two fireplaces, three baths, developed walk-out basement, triple garage. \$160,000. Lawrence Cote, Re/Max, 473-6464, 476-6373.
For sale - Grandview. \$159,900. Attractive, open beam, four bedrooms, featuring three full baths, two fireplaces, air conditioning, upgraded carpet and new roof. To view, Eleanor Duncan, Langley R.E. 434-7368, 436-3050.
Sale - Garneau, two storeys, remodelled, five bedrooms, two bathrooms, den, sun-deck, patio, double heated garage. Assumable mortgage. 439-3702.
Rent - One-bedroom condominium. Half-hour away from Panorama or Fairmont. Book now for spring skiing. 451-5174 evenings.
Sale - Ravine view property. Charming, older, westend home on double lot. Three bedrooms (fourth in finished basement), two bathrooms, large double garage, much more. By owner, no agents. 452-0271.

Accommodations wanted

Accommodations wanted: 15 August-31 December 1984. Furnished house or apartment within walking distance to campus, by faculty couple. 432-0864.

Automobiles and others

1977 Pontiac Catalina, 51,000 mi. (air), \$2,900. 452-6888.

Goods for sale

Aria, classical guitar and case, \$230. Oscar Schmidt autoharp, \$225. Both excellent condition. Two stained glass windows, suitable for hanging, \$230 and \$90. Phone 435-1945.
Pocket computer, TRS-PC2 printer/plotter/cassette interface. Ser/par mod. Int. 8Kmem expansion. Recorder system briefcase. Full docs. List \$1,270. Will sell complete system, \$600. 432-5786.
Books bought and sold - The Edmonton Book Store in HUB Mall will pay cash for book collections and individual, rare items. Appraisals available. Open seven days a week. 433-1781.
New Yamaha S-400 Grand. 6'4", high gloss, ebony, very beautiful, powerful instrument, 3 pedals, sound characteristics comparable to European Steinway. Retailing \$29,500, asking \$23,600 (negotiable). 436-0116 or 432-4426.
Riverbend Club, single membership for sale or sublet. 435-2902.

Services

Donnic Word Processing. Specializing in theses, manuscripts, etc. 8315A-105 St. 432-1419.
Singing teacher, Eileen Turner, 439-4661.
Backaches? Stress? Tension? Relief promised at Back Basics. Physiotherapist Maria Krieg uses heat, massages, chiro-gymnastics and interferential electrotherapy for special treatments. (Gift certificates.) 11627-75 Ave. 436-8059.
Professional typist - Word processing. Specializing in theses and dissertations. Gwen, 467-9064.
Word processing - \$18/hour. Typing - from \$1.50/page. Greek symbols and equations. 432-0138.

BOOKS WANTED

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Do you have books you
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**WE BUY
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Finishing carpenter available to do all types of renovation and woodwork. Phone Don, 479-8067.

Canadian Tax returns, Eberlein Consulting. 434-0563.

Do your own typing on our word processors, \$5/hour. Letter quality (daisy wheel) printers. Limited training available (easy to learn). For information, call U of A Printing Services, 432-3754.

Problems with English literature/composition? Expert tutoring available for high school/University students. Reasonable rates, flexible hours. 483-9308.

L'Atelier. French tutorial: Small classes at various levels. Adults and children (weekdays). Semi-immersion (Saturdays). Contact Yves Puzo, 432-7565, Tuesdays and Thursdays, 3-6 p.m.

Will type manuscripts, etc. for professors. 473-4404.

Professional, medical typist - Prefer theses and reports for publication. Judy, 456-2701.

Professional dress making and alteration. 438-2747.

Income tax returns prepared by professional accountant. Phone 483-2035 evenings, anytime weekends.



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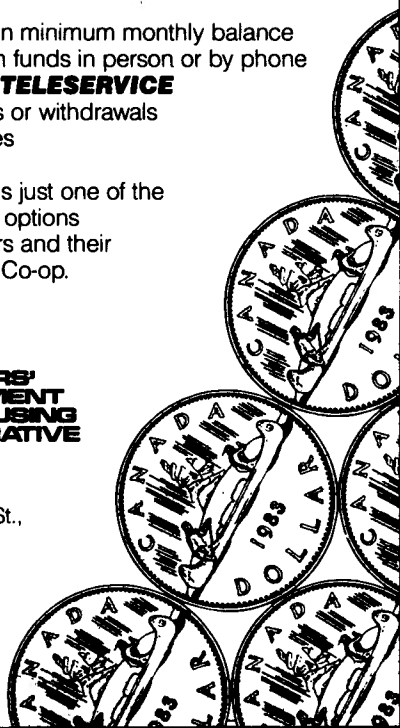
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Edmonton

University — MacKenzie Hall	\$ 25.00
— Garneau Guest Housing	45.00
Chateau Lacombe	69.00
Convention Inn South	55.00
Four Seasons	85.00
Inn on Whyte	45.00
Northwood Inn	54.00
Riviera	35.00
Venture Inn	46.00

Red Deer

Capri Centre	43.50
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Calgary

Chateau Airport (CP)	69.00
The Palliser (CP) Jan 1 - May 31/84	65.00
June 1 - December 31/84	68.00
Four Seasons, until April 30/84	85.00
Delta Bow Valley	83.00

Vancouver

Delta River Inn	75.00
Delta Airport Inn	55.00
Four Seasons	
— Sunday - Thursday, until December 31/84	115.00
— Friday & Saturday, until April 30/84	85.00
— Friday & Saturday, until December 31/84	98.00

Victoria

The Empress — Jan 1 - April 30/84 (CP)	60.00
— May 1 - Sept. 30/84 (CP)	75.00
— Oct 1 - Dec. 31/84 (CP)	63.00

Saskatoon

Saskatoon Inn — Jan 1 - June 30/84	57.00
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Winnipeg

Delta Winnipeg (Ex Northstar Inn)	59.00
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Toronto

Royal York — Jan 1 - April 30/84 (CP)	87.00
— May 1 - Dec. 31/84	90.00
Four Seasons — Jan 1 - April 30/84	119.00
Inn on the Park, Main Building — until Mar. 31/84	69.00
— April 1 - Sept 1/84	78.00
Delta Chelsea Inn	62.00

Montreal

Chateau Champlain — Jan 1 - April 30/84	85.00
— May 1 - Dec. 31/84	89.00

Quebec

Chateau Frontenac — Jan 1 - May 31/84 (CP)	63.00
— June 1 - June 20/84	76.00
— June 21 - Aug 31/84	88.00
— Sept 1 - Dec. 31/84	76.00

Halifax

Chateau Halifax	\$61.00
Delta Barrington	66.00

Ottawa

Delta Ottawa (Ex Inn of the Provinces)	69.00
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Saint John

Delta Brunswick	58.00
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Reservations for CP hotels outside Edmonton may be made by using the toll free number: 1-800-268-9411; for Delta hotels, 1-800-268-1133.